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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/584,138	06/26/2006	Hans Peter Rath	292578US0PCT	5674
22850 7590 07/03/2007 OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT, P.C. 1940 DUKE STREET ALEXANDRIA, VA 22314			EXAMINER	
			TESKIN, FRED M	
ALEXANDRIA	1, VA 22514		ART UNIT	PAPER NUMBER
			1713	·
			NOTIFICATION DATE	DELIVERY MODE
			07/03/2007	ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

patentdocket@oblon.com oblonpat@oblon.com jgardner@oblon.com

,	Application No.	Applicant(s)				
	10/584,138	RATH ET AL.				
Office Action Summary	Examiner	Art Unit	,			
	Fred M. Teskin	1713				
The MAILING DATE of this communication ap Period for Reply	pears on the cover sheet w	vith the correspondence a	ddress			
A SHORTENED STATUTORY PERIOD FOR REPL WHICHEVER IS LONGER, FROM THE MAILING D - Extensions of time may be available under the provisions of 37 CFR 1. after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period - Failure to reply within the set or extended period for reply will, by statut Any reply received by the Office later than three months after the mailine earned patent term adjustment. See 37 CFR 1.704(b).	DATE OF THIS COMMUN 136(a). In no event, however, may a will apply and will expire SIX (6) MO e, cause the application to become A	ICATION. reply be timely filed NTHS from the mailing date of this BANDONED (35 U.S.C. § 133).				
Status						
1) Responsive to communication(s) filed on						
	—· s action is non-final.					
· <u> </u>	· · · · · · · · · · · · · · · · · · ·					
closed in accordance with the practice under	•	* •				
Disposition of Claims	·					
4)⊠ Claim(s) <u>1-11</u> is/are pending in the application	1.					
4a) Of the above claim(s) is/are withdra						
5)⊠ Claim(s) <u>1,2,9 and 10</u> is/are allowed.						
6)⊠ Claim(s) <u>3-8 and 11</u> is/are rejected.		•				
7) Claim(s) is/are objected to.		•				
8) Claim(s) are subject to restriction and/o	or election requirement.		•			
Application Papers			,			
9)☐ The specification is objected to by the Examine	er					
10) The drawing(s) filed on is/are: a) acc		by the Examiner				
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
Replacement drawing sheet(s) including the correct			CFR 1.121(d).			
11)☐ The oath or declaration is objected to by the E			• •			
Priority under 35 U.S.C. § 119			•			
12)⊠ Acknowledgment is made of a claim for foreign a)⊠ All b)□ Some * c)□ None of:	n priority under 35 U.S.C.	§ 119(a)-(d) or (f).				
	te have heen received	•				
3.⊠ Copies of the certified copies of the prior			l Stane			
application from the International Burea		TTCOCIVCA III UIIS NAUOIIA	Olage			
* See the attached detailed Office action for a list	, , , , , , , , , , , , , , , , , , , ,	t received.	•			
	·					
Attachment(s)						
1) Notice of References Cited (PTO-892)		Summary (PTO-413)				
2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08)		(s)/Mail Date Informal Patent Application				
Paper No(s)/Mail Date <u>20061023</u> .	6) Other:		•			

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The preliminary amendment of June 26, 2006 having been entered, claims 1-11 are currently pending and under examination herein.

Claims 3-8 and 11 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claim 3 (and claims dependent thereon) provides the limitation to "the solution of the polyisobutene ..." (see line 2). There is no proper and sufficient antecedent basis for this limitation in the claim or in any claim from which claim 3 currently depends.

Claim 7 (and claims dependent thereon) also provides the limitation to "the solution of the polyisobutene ..." (see lines 2-3). There is no proper and sufficient antecedent basis for this limitation in the claim or in any claim from which claim 7 currently depends.

Appropriate correction is required.

The prior art made of record and not relied upon is considered pertinent to applicants' disclosure.

Reusser is cited as pertinent to the utility of molecular sieves of effective pore size in the range of 7 to 11 Angstroms in removing chemically combined chlorine from hydrocarbons (note col. 1, lines 55+). Contacting a polyisobutene with such molecular sieves following removal and/or deactivation of a halogenated Lewis acid catalyst is neither taught nor suggested.

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Miyata et al is cited as pertinent to the utility of a hydrotalcite compound in removing a halogen component from a halogen-containing organic compound such as an olefin oligomer and ethylene/propylene/diene copolymer rubber (note working examples). Average pore diameter is not mentioned and zeolite treatment is not contemplated.

Rath and Ho et al are cited merely to show analogous art relating to isobutene oligomerization or polymerization in the presence of halogenated Lewis acid-based catalysts.

Claims 1-11, as presently understood, are free of the prior art. Examiner has not, as of the date of this Office action, located or identified any prior art documents that can be used to render the process defined by said claims anticipated or obvious to a person of ordinary skill in the art.

Claims 1, 2, 9 and 10 are allowable on the present record. Balance of the claims would be allowable if amended or rewritten to overcome the rejection under 35 U.S.C. 112 set forth in this Office action.

Any inquiry concerning this communication should be directed to Examiner F. M. Teskin whose telephone number is (571) 272-1116. The examiner can normally be reached on Monday through Thursday from 7:00 AM - 4:30 PM, and can also be reached on alternate Fridays.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David Wu, can be reached on (571) 272-1114. The appropriate fax phone number for the organization where this application or proceeding is assigned is (571) 273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

FMTeskin/06-22-07